

PRODUCT FEATURES:

- Works with Amplified and Non-Amplified For, Lincoln and Mercury vehicles
- Retains Factory-installed Subwoofer.
- Retains Steering Wheel Controls via builtin, pre-programmed interface.
- With navigation outputs (Reverse gear, Illuminstion, Speed signal and Parking brake)
- Provides Accessory Power (2A MAX).
- Retains factory Aux and rear seat entertainment inputs.
- Supports Sony, Shaker, THX and non amplified sound systems.

PARTS INCLUDED:



SWRFD-60 Module



SWRFD-60 Harness

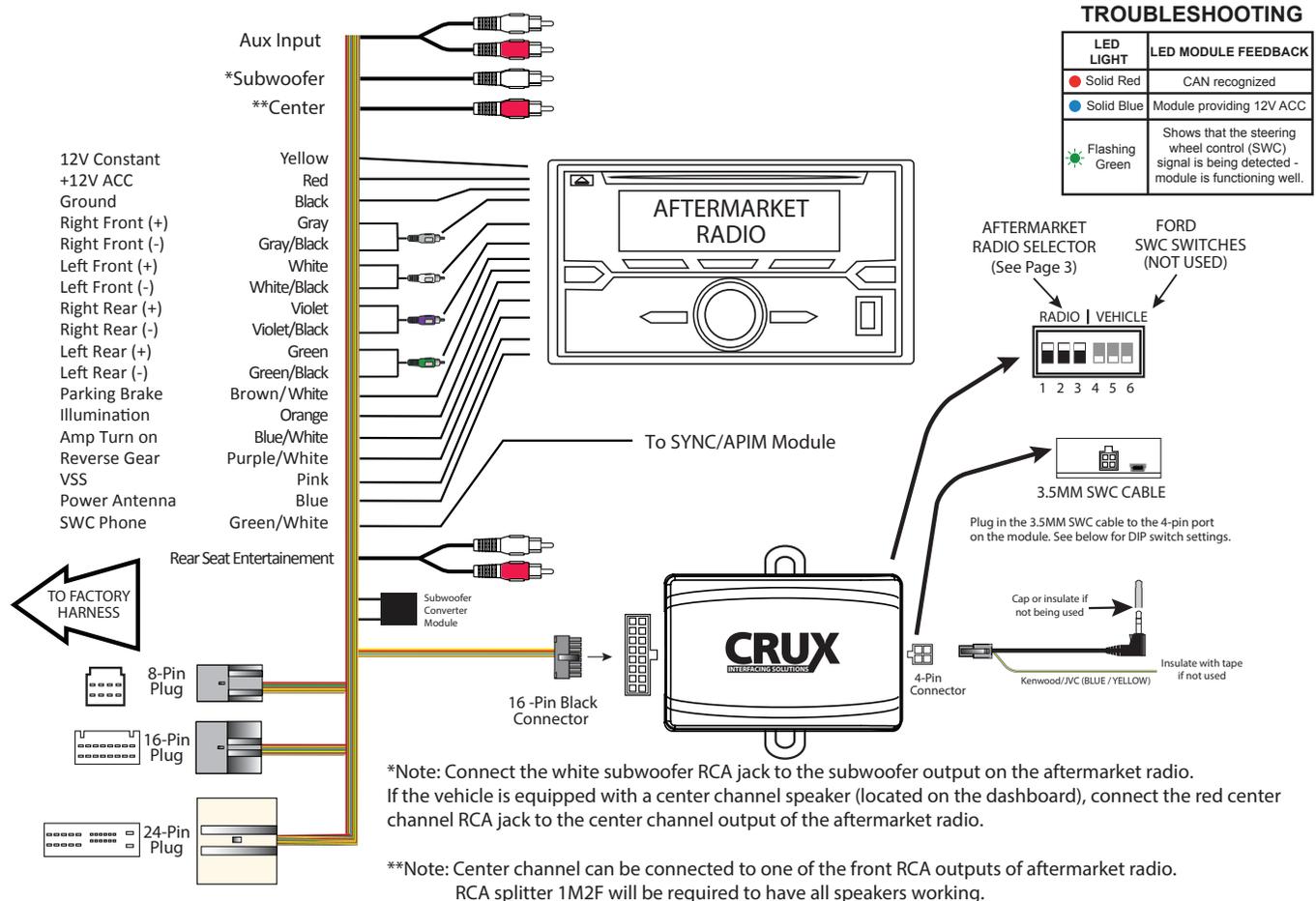


SWC Cable

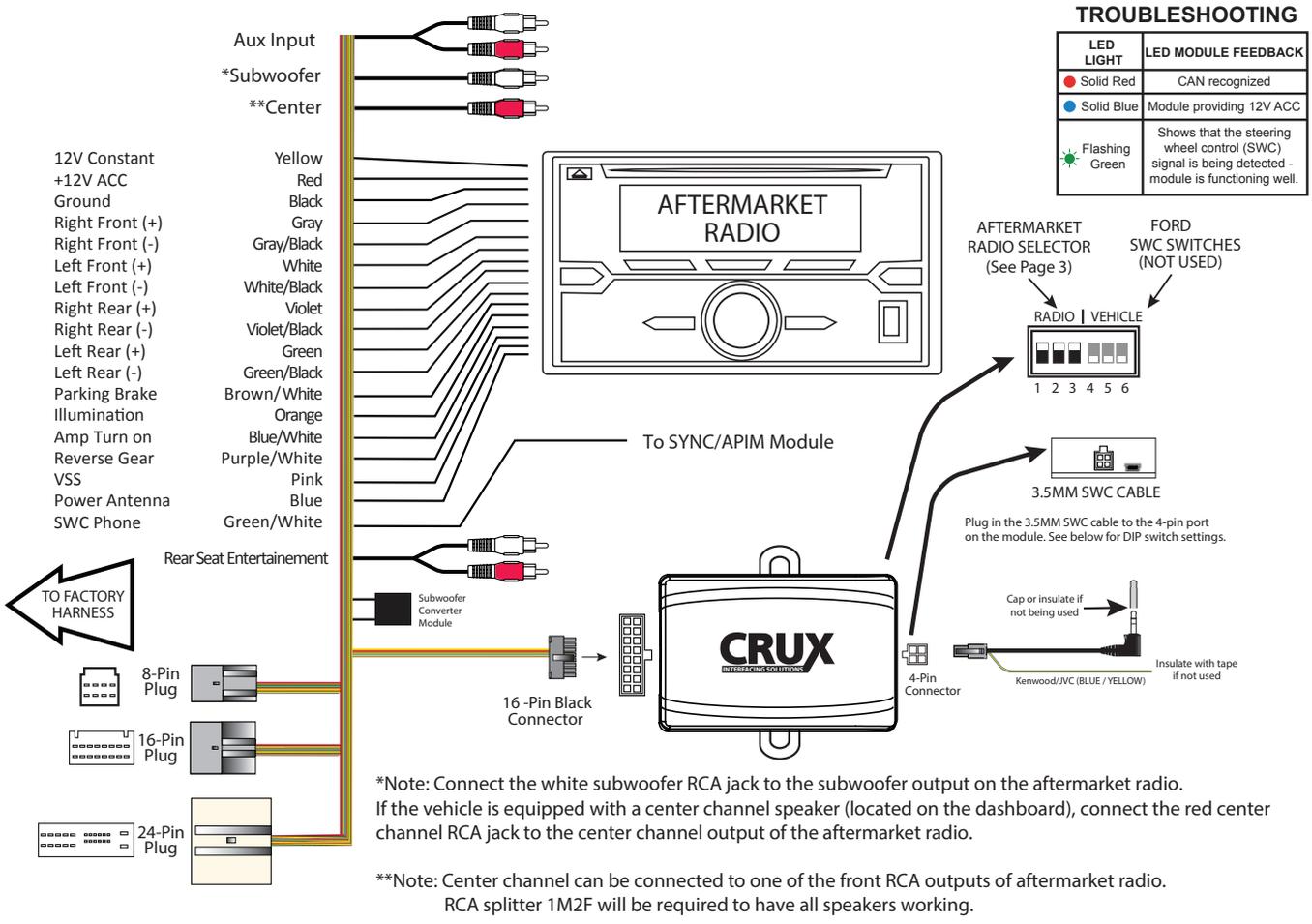


Antenna Adapter

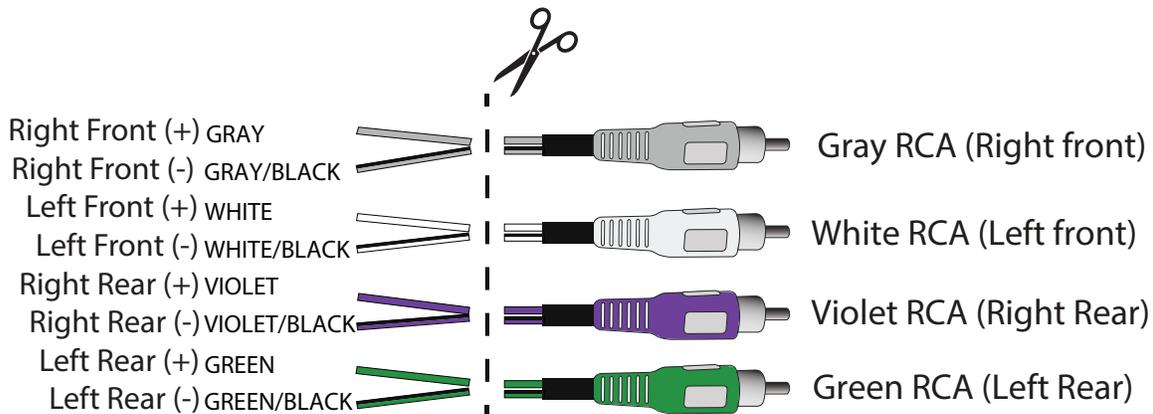
INSTALLATION DIAGRAM FOR AMPLIFIED VEHICLES:



INSTALLATION DIAGRAM FOR NON-AMPLIFIED VEHICLES:



* For Non-Amplified systems please cut RCA , and mate colored wires to the appropriate aftermarket radio speaker wires

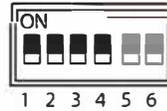


DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

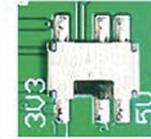
RADIO BRAND:	DIP:	1	2	3	4
Atoto, Dual, Farenheit, Jensen, Pioneer		OFF	OFF	ON	ON
Power Acoustik, Soundstream		OFF	OFF	ON	ON
Blaupunkt, Most off-brand Radios		OFF	OFF	ON	ON
Alpine		OFF	OFF	OFF	OFF
Clarion		OFF	ON	ON	OFF
Kenwood		OFF	ON	ON	ON
JVC		OFF	ON	OFF	ON
Boss, Old Sony		OFF	ON	OFF	OFF
New Sony		OFF	OFF	ON	OFF
SWC Learning Radios*		ON	OFF	OFF	ON

SWC MODULE
DIP SWITCH



NOTE:
DIP Switches
5-6 are not used

SWC Troubleshoot option



Located internally
Need to take plastic
Casing off module

- If Steering Wheel Controls don't work or work properly please switch internal dip switch from 3v3 to 5v as shown in picture above.

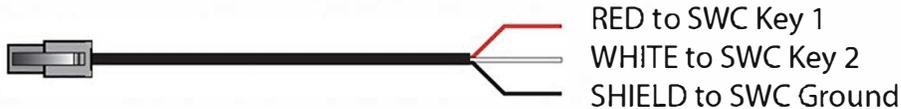
NOTE: For Atoto, Blaupunkt, Dual, Farenheit, Nakamichi, Power Acoustik, Soundstream, and most off-brand radios, check the aftermarket radio's manual to see if the SWC buttons need to be programmed.
 *For SWC Learning Radios specific steps are required please scan the QR code on the right.

TROUBLE SHOOTING FOR SWC LEARNING RADIOS



NOTE: Cap or insulate the 3.5mm plug or Blue/Yellow wire if not being used.

For aftermarket radios that have wires for SWC connections, cut off the 3.5mm plug on the Crux SWC Cable and connect the SWC wires as follows:



Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.



VEHICLE APPLICATIONS:

FORD

- 2007 - 2010 Edge
- 2008 - 2012 Escape
- 2014 - 2020 E series (w/ AM/FM/CD/SYNC)
- 2007 - 2014 Expedition
- 2006 - 2010 Explorer
- 2007 - 2010 Explorer Sport Trac
- 2009 - 2012 F-150
- 2013 - 2014 F-150* (w/ center stack radio)
- 2008 - 2012 F-250**
- 2013 - 2016 F-250* (Base Model Double Din)
- 2008 - 2012 F-350**
- 2013 - 2016 F-350* (Base Model Double Din)
- 2008 - 2012 F-450**
- 2013 - 2016 F-450* (Base Model Double Din)
- 2013 - 2016 F-550* (Base Model Double Din)
- 2016 - 2022 F-650/F-750 (w/CD)

- 2005 - 2007 Five Hundred
- 2009 - 2012 Flex
- 2008 - 2011 Focus
- 2005 - 2007 Freestyle
- 2006 - 2012 Fusion
- 2005 - 2013 Mustang
- 2010 - 2012 Taurus

LINCOLN

- 2009 - 2012 MKS
- 2010 - 2012 MKT
- 2007 - 2010 MKX
- 2007 - 2012 MKZ
- 2007 - 2014 Navigator
- 2006 - 2006 Zephyr

MERCURY

- 2007 - 2011 Mariner
- 2006 - 2011 Milan
- 2005 - 2007 Montego
- 2006 - 2010 Mountaineer

MAZDA

- 2009 - 2011 Tribute

***NOTE:** Not compatible with vehicles equipped with "MyTouch" OEM Radio

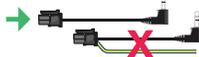
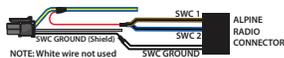
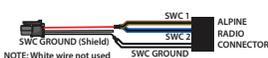
****NOTE:** Not compatible with XL trim

NOTE: Supports Sony, Shaker, THX and non amplified sound systems.

NOTE: This product does not include a dashkit. For combo kit which includes a dashkit use Crux Product DKFD-60

STEERING WHEEL CONTROL TROUBLE SHOOTING:

Note: Identify Alpine SWC learning radios by checking for three SWC cables and a SWC learn menu, instead of a 3.5mm SWC input.

If Interface has one SWR-100 Cable included	If Interface has two SWR Cables included
<p>1 - Find the included SWC adapter cable.</p> 	<p>1 - Identify appropriate SWC adapter cable. Do not use cable with Blue / Yellow wire.</p> 
<p>2 - Prepare the SWC Cable: Cut the SWC cable. You will find a red wire, a white wire, and a ground (shield) wire inside.</p> 	
<p>3 - Adjust the Module Settings: Set the module to the Pioneer dip switch setting. This configures the module to communicate correctly with the Alpine radio.</p>	
<p>4 - Configure the Alpine Radio: On your Alpine radio, select the setting that includes an adapter for SWC. This ensures the radio will recognize the steering wheel controls.</p>	
<p>5 - Connect the Wires: Connect both the SWC1 and SWC2 wires from aftermarket radio to the red wire from our SWC cable. Connect the SWC ground wire to the shield (ground) wire of our SWC cable. These steps should enable the steering wheel controls on your Alpine iLX series radio.</p>	
 <p style="font-size: small;">NOTE: White wire not used</p>	 <p style="font-size: small;">NOTE: White wire not used</p>
<p>6. Program the SWC: Navigate to the SWC settings on your Alpine radio to assign and test each control function.</p>	



VEHICLE APPLICATIONS:

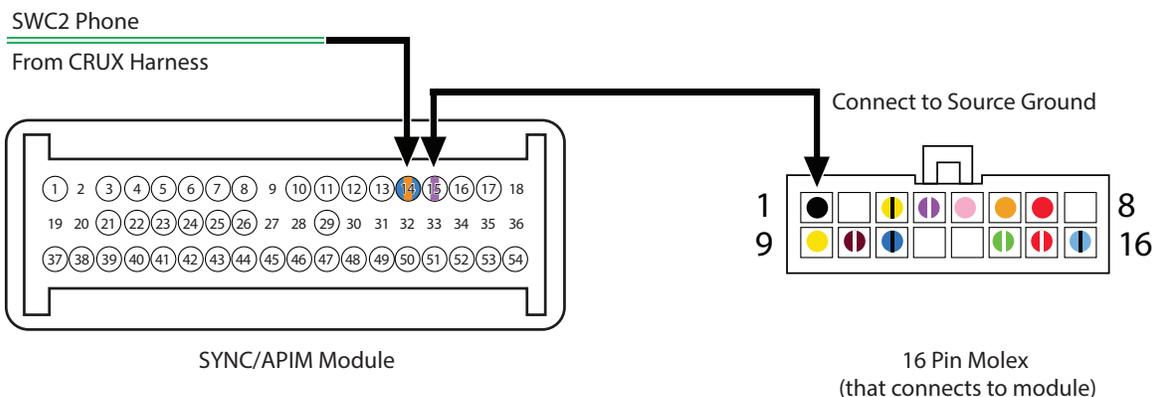
General Instructions for SWC Phone button (SYNC Harness Connection)

- 1 -Required only if the vehicle is equipped with SYNC and does not have a factory navigation system.
- 2 -Disassemble the dashboard and remove the factory radio without disconnecting it.
- 3 -Use a multimeter to test the SWC 2 (phone button wire on vehicle):
 - Place BLACK probe to ground (-).
 - Place RED probe to SWC 2 (phone button wire).
 - If SYNC is present, the multimeter should show approximately 5 volts, dropping when pressing the steering wheel voice, phone, or OK button.
- 4 -Tap the SWC 2 (phone input wire).
- 5 -Please identify your vehicle's SYNC/APIM from the groups below:

Group 1		
Ford		
2007-2010	EDGE	w/ SYNC, w/out factory nav
2007-2014	Expeition	w/ SYNC, w/out factory nav
2010-2012	Taurus	w/ SYNC, w/out factory nav
2008-2012	Taurus X	w/ SYNC, w/out factory nav
Lincoln		
2009-2012	MKS	w/ SYNC, w/out factory nav
2010-2012	MKT	w/ SYNC, w/out factory nav
2007-2010	MKX	w/ SYNC, w/out factory nav
2007-2012	MKZ	w/ SYNC, w/out factory nav
Mercury		
2008-2009	Sable	w/ SYNC, w/out factory nav

5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio

Center Console, Right Side, Harness Going to the Back



VEHICLE APPLICATIONS:

Group 2			
Ford 2010-2012	Fusion	w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Center Console, Right Side, In Front of Armrest
Mercury 2006-2011	Milan	w/ SYNC, w/out factory nav	

Group 3			
Lincoln 2007-2014	Navigator	w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio SYNC Module (Behind Glove Box or Console Panel)
Ford 2007-2009	Mustang	w/ SYNC, w/out factory nav	

Group 4			
Ford 2008-2012	Escape	w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Junction Connector, Behind Radio (Passenger Side)
	2008-2011 Mariner	w/ SYNC, w/out factory nav	

Group 5			
Ford 2009-2012	Flex	w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Junction Connector, In Front of Shifter



VEHICLE APPLICATIONS:

Group 6	
Ford 2008-2010 F-250 w/out 8" screen w/ SYNC, w/out factory nav 2008-2010 F-350 w/out 8" screen w/ SYNC, w/out factory nav 2008-2010 F-450 w/out 8" screen w/ SYNC, w/out factory nav 2008-2010 F-Super Duty w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Passenger Side, Next to Glove Box
Group 7	
Ford 2009-2012 F-150 w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Center Dash, Under Tray
Group 8	
Ford 2008-2011 Focus w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Blue/Orange) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Heater Box / Console Mid-Harness
Group 9	
Ford 2008-2009 Taurus w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Gray/Blue) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Center Console, Right Side, Harness Going to the Back
Group 10	
Ford 2006-2010 Explorer w/ SYNC, w/out factory nav 2006-2010 Explorer SportTrac w/ SYNC, w/out factory nav Mercury 2006-2010 Mountaineer w/ SYNC, w/out factory nav	5a -Connect the Crux Green/White wire of the FD-60 T-harness to the SWC 2 (Pin14 Brown/White) (phone button INPUT wire) going to the steering wheel. Take pin 15 violet/white (SWC2 ground wire) and tap to Source ground or ground on Aftermarket Radio Center Console, Harness Going to the Back

